

Algebra 1

Name: _____

Mrs. Arot/Mrs. Britton

Section 7.3: Solving Systems by Elimination #2 Date: _____

Solve each system of equations. ****SHOW ALL YOUR WORK****

1. $\begin{cases} 5x = y = 9 \\ 10x - 7y = -18 \end{cases}$	2. $\begin{cases} -4x + 9y = 9 \\ x - 3y = -6 \end{cases}$
3. $\begin{cases} -3x + 7y = -16 \\ -9x = 5y = 16 \end{cases}$	4. $\begin{cases} -7x + y = -19 \\ -2x + 3y = -19 \end{cases}$
5. $\begin{cases} 16x - 10y = 10 \\ -8x - 6y = 6 \end{cases}$	6. $\begin{cases} 8x + 14y = 4 \\ -6x - 7y = -10 \end{cases}$

7. $\begin{cases} -4x - 15y = -17 \\ -x + 5y = -13 \end{cases}$	8. $\begin{cases} -x - 7y = 14 \\ -4x - 14y = 28 \end{cases}$
9. $\begin{cases} -7x - 8y = 9 \\ -4x + 9y = -22 \end{cases}$	10. $\begin{cases} 5x + 4y = -30 \\ 3x - 9y = -18 \end{cases}$

Explain how to solve this system by elimination method:

$$\begin{cases} 2x - y = -3 \\ -10x - 7y = 3 \end{cases}$$
